LOGISTICS OPERATIONS

ROMMEL

“ The First Essential Condition For An Army To Be Able To Stand The Strain Of Battle Is An Adequate Stock Of Weapons, Petrol, And Ammunition. In Fact, The Battle Is Fought And Decided By Logisticians Before The Shooting Begins. The Bravest Men Can Do Nothing Without Guns, And Guns Without Plenty Of Ammunition, And Neither Guns Nor Ammunition Are Much Use In Mobile Warfare Unless

LOGISTICS

WHAT IS IT?

LOGISTICS

- ✓ **The Process Of Planning And Executing The Sustainment Of Forces In Support Of Military Operations**
- ✓ **It Includes The Design, Development, Acquisition, Storage, Movement, Equipping, Distribution, And Evacuation Functions Of Supply, Field Services, Maintenance, Health Service Support, Personnel, And Facilities**

FM 100-5, CH 12, 1993

COMBAT SERVICE SUPPORT

- ✓ **Combat Service Support is support to US Army units through the functions associated with administration, civil affairs, and logistics.**

FM 100-5

COMBAT SERVICE SUPPORT

WHAT IS THE MISSION OF CSS UNITS ON THE BATTLEFIELD?

TACTICAL LOGISTICS

Tactical Logistics Sustains The Tactical Commander's Ability To Fight Battles And Engagements. Successful Tactical Logistics Provides The Right Support At The Right Time And Place To Units In The Combat Zone.

FM 100-5, CH 12,

CHARACTERISTICS OF LOGISTICS

- ✓ **Anticipation**
- ✓ **Integration**
- ✓ **Continuity**
- ✓ **Responsiveness**
- ✓ **Improvisation**

FM 100-5, CH 12,

N

- ✓ **Identifying, Accumulating, And Maintaining The Assets And Information Necessary To Support Operations At The Right Times And Places.**
- ✓ **Logistics Plans Should Anticipate Requirements In Order To Push The Right Support Forward; This Minimizes The Need For Improvisation.**

FM 100-5, CH 12,

INTEGRATION

- ✓ **Integration During Planning Ensures Support Of Operations During Execution.**
- ✓ **Logistics Capabilities Often Affect The Feasibility Of A Concept Of Operations.**

FM 100-5, CH 12,

Y

During Operations, Committed Forces Require Continuous Supply And Service Support to Sustain Their Fighting Strength and Agility.

While Both Combat Operations and logistics Can Vary in Intensity, Combat Operations May Enter Periods of Relative Inactivity - Logistics Does Not.

FM 100-5, CH 12,

RESPONSIVENESS AND VERSATILITY

The Mental And Physical Ability To Cope With Extraordinary Requirements And The Discipline To Refocus In A Crisis Is Built Into The Logistics System By Effective Organization, Careful Planning, Solid Training And Strong Leadership.

Supply Discipline, A Command Responsibility, Includes Adhering To Movement Tables, Declaring And Distributing Excess Materials, And Observing Senior Cdrs' Logistics Priorities.

FM 100-5, CH 12,

IMPROVISATION

The Talent To Make, Invent, Arrange, Or Fabricate What Is Needed Out Of What Is At Hand.

Improvised Methods And Supply Sources Can Maintain Logistics Continuity When Standard Procedures Fail.

FM 100-5, CH 12,

TACTICAL LOGISTICS FUNCTIONS

- **Manning**
- **Arming**
- **Fueling**
- **Fixing**
- **Moving**
- **Sustainment Of Soldiers And Their Systems**

FM 100-5, CH 12,

MANNING

The systems of personnel readiness management, replacement management, and casualty management to meet the Army's personnel requirements from mobilization and deployment through redeployment and demobilization

FM 100-5 OPERATION

ARMING

Arming the force requires detailed pla and coordination between the combat ammunition and transportation logisti at all levels.

Logistics provides the total package of components, technical maintenance, a skilled soldiers to keep weapon systen firing.

FM 100-5 OPERATION

REQUIRED SUPPLY RATE

The Amount Of Ammo, Expressed In Terms Of Rounds Per Weapon Per Day, Estimated To Be Required To Sustain Operations Of Any Designated Force Without Restriction For A Specified Period Of Time.

CONTROLLED SUPPLY RATE

The Rate Of Ammo Consumption Expressed In Rounds Per Weapon Per Day That Can Be Supported, Considering Availability, Facilities, And Transportation.

LOAD

- That Quantity Of Conventional Ammo Authorized And Required To Be On Hand In A Unit To Meet Combat Needs Until Resupply Can Be Accomplished.
- Supplies Other Than Cl VIII And IX, To Sustain A Unit In CBT
- Support Unit For A Prescribed Number Of Days
- May Be Used To Support Peacetime Operations

FUELING

- **Clear priorities for fueling, accurately estimating fuel consumption, and economizing assets whenever possible, contribute to ensure adequate support of operations.**

- **Logisticians operate a high-volume refueling system to support routine consumption rates; it also provides a surge capability.**

- **Whether combat, combat support, or CSS, units require uninterrupted fueling to**

FIXING

Sound maintenance practices in all units, forward positioning of maintenance units, quickly accessible repair parts and replacement equipment, and well understood priorities for battle damage assessment, recovery and repair may spell the difference between tactical

FM 100-5 OPERATION

MOVING

- **Tactical actions require timely concen**

of units and materiel and often deman

notice movement of large forces and m

shifts in direction of movement.

- **At the tactical level, units, supplies, a**

important facilities move as battles pr

to ensure responsive support of commi

units as large corps.

FM 100-5 OPERATION

SUSTAINING

PERSONNEL SERVICE SUPPORT

Personnel Services, Resource Mgt, Finance, Chaplaincy activities, Command Info., and Legal support.

HEALTH SERVICES

FIELD SERVICES

Food preparation, Water purification, Bakery, Clothing Exchange, Textile Repair, Laundry and Shower, Mortuary Affairs.

QUALITY OF LIFE

Quality of life and family considerations affect every soldier's readiness and willingness to fight.

FM 100-5 OPERATION

SOLDIERS LOAD

- ✓ Load Planning
- ✓ Combat Load
- ✓ Fighting Load
- ✓ Approach March Load
- ✓ Sustainment Load
- ✓ Contingency Load
- ✓ Load Calculation
- ✓ Load Management

FM 7-10, pp 8-8 thru

RESPONSIBILITIES

COMPANY COMMANDER (Overall Responsible)

- Ensures CSS OPNS Sustain Company's Fighting Potential
- Integrates CSS Activities Into Tactical Plan
- Provides Guidance To CSS Operators

FM 7-10, p 8-4

RESPONSIBILITIES

COMPANY EXECUTIVE OFFICER
(CSS PLANNER AND COORDINATOR)

- Coordinates And Supervises Company Log Effort
- Maintains Company CSS Status
- Assists The CDR In CSS

FM 7-10, p 8-4

RESPONSIBILITIES

COMPANY EXECUTIVE OFFICER
(CSS PLANNER AND COORDINATOR)

- Coordinates With S4 For CSS Requirements
- Receives Periodic Maint. Updates From CO TM Key Leaders

FM 7-10, p 8-4

RESPONSIBILITIES

COMPANY FIRST SERGEANT

(SUPERVISES AND CONTROLS THE COMPANY TRAINS)

- **Receives, Consolidates, And Fwds All Admin, Personnel, And Casualty Reports To The TF CBT**
- **Directs Casualty Evacuation**

RESPONSIBILITIES

COMPANY FIRST SERGEANT

(SUPERVISES AND CONTROLS THE COMPANY TRAINS)

- **Establishes And Organizes The Co. Resupply PT**
- **Meets The LOGPAC At The LRP, Guides Them To The Co Resupply PT**

RESPONSIBILITIES

COMPANY FIRST SERGEANT

(SUPERVISES AND CONTROLS THE COMPANY TRAINS)

- **Supervises Casualty, EPW, Damaged Equipment Evacuation**
- **Maintains CO Battle Roster**

FM 71-1, pg 7-

PERSONNEL RESPONSIBILITIES Cont…

COMPANY SUPPLY SERGEANT

- Represents Company In The BN Field Trains
- Assembles And Moves Forward The LOGPAC
- Assists 1SG In Resupply

FM 7-10, p 8-

PERSONNEL RESPONSIBILITIES Cont…

COMPANY SUPPLY SERGEANT

- Coordinates CSS Requirements With SPT PLT LDR, S4 And HHC CDR
- EVACS KIAs, EPWs, AND Damaged Equipment

FM 7-10, p 8-

PERSONNEL RESPONSIBILITIES Cont…

COMPANY SUPPLY SERGEANT

- Brings Forward Replacements
- Forecasts Company's Consumption Of Classes I, V, And Batteries Based Upon The Operation

FM 7-10, p 8-

TRAINS

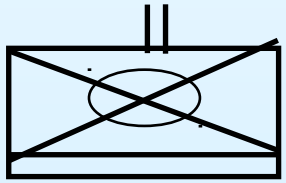
Any Grouping Of Personnel, Vehicles, And Equipment For The Purpose Of Combat Service Support Of A Unit.

A Doctrinal Term Used To Describe Logistic Locations On The Battlefield.

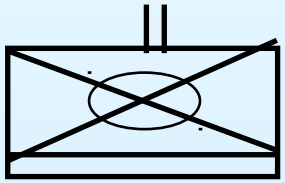
TRAINS

- Unit
- Echeloned

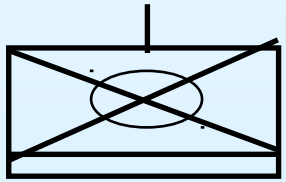
ECHELONED

X  FLD

REMAINING
LOGISTICS
ASSETS

 CBT

CLASS III
CLASS V
MEDICAL
MAINTENANCE

 CBT

MEDICAL
MAINTENANCE

TRAINS ECHELONMENT

Immediate Responsive Support

Tailoring

METT-T

Commander's Guidan

ADVANTAGES OF TRAINS ECHELONMENT

Enemy Artillery

Log Vehicles Not Armored

Security/Protection

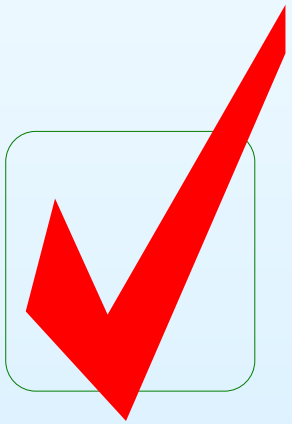
TRAINS ECHELONMENT-ADVANTAGES

Immediate Replacement

Higher Coordination

Proximity To DS Support &

Higher Headquarters



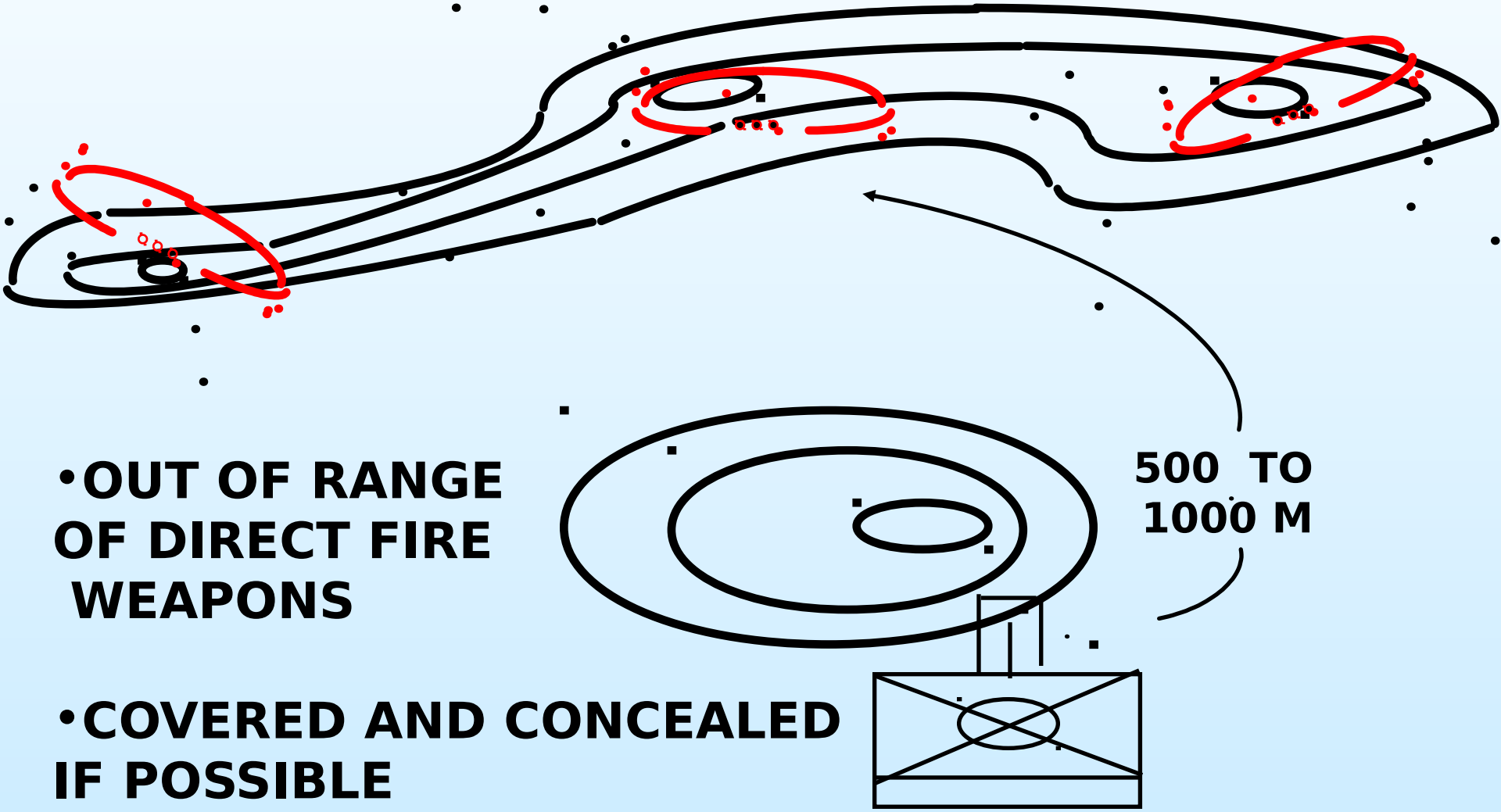
CONSIDERATIONS

- Responsive
- Covered
- Concealed
- Communications
- Vehicular Concerns

CONSIDERATIONS

- **Proximity To Resupply Routes Or Road Network**
- **500-1000m Behind Flot**
- **Aerial Resupply And Evacuation**

COMPANY TRAINS

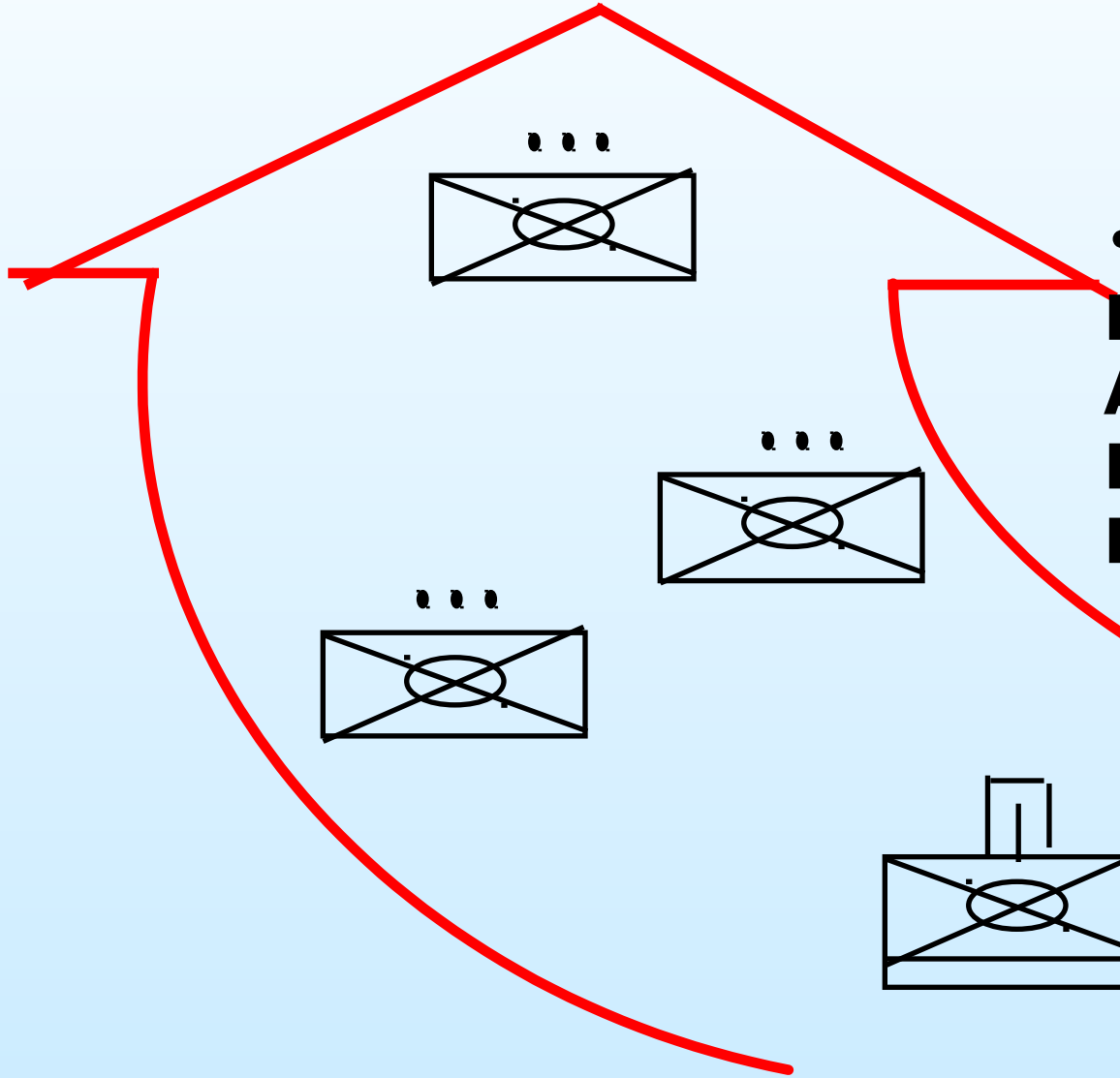


- OUT OF RANGE OF DIRECT FIRE WEAPONS

500 TO 1000 M

- COVERED AND CONCEALED IF POSSIBLE

MOVEMENT TO CONTACT



- CLOSE ENOUGH FOR RESPONSIVE SUPPORT AND SECURITY, BUT FAR ENOUGH FOR PROTECTION

ACTUAL LOCATION IS METT-T DEPENDENT

DISTRIBUTION

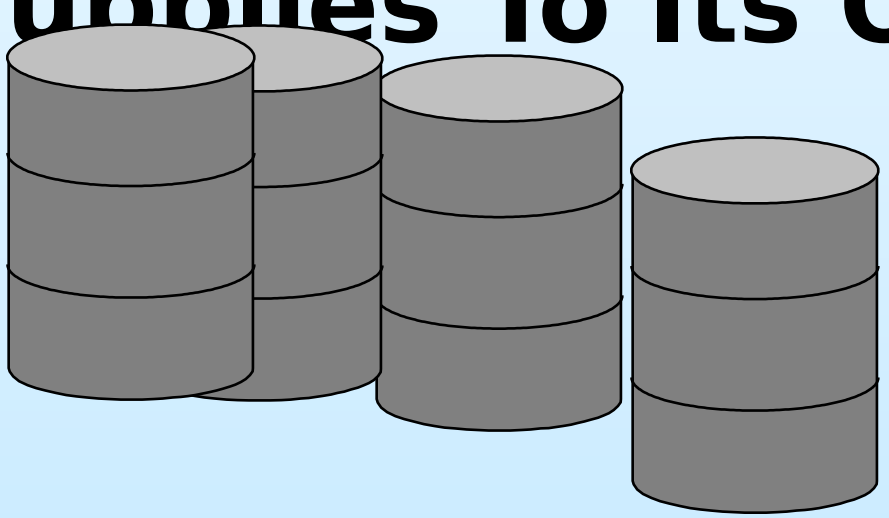
- Unit Distribution
- Supply Point

DISTRIBUTION

Receiving Unit Is Issued Supplies In Its Own Area With The Means Of Delivery Furnished By

POINT

Receiving Unit Is Issued Supplies At A Supply Point And Using Its Own Transportation Moves The Supplies To Its Own Area.



OPERATIONAL READINESS FLOAT

- Located At Installation Level
- Exchange An Operating Item For A Non-working But Repairable Item
- Issued When Time To Repair Is Greater Than Time Allowed By Units Work Request Priority
- One For One Exchange/permanent Property Book Transaction

RESUPPLY METHODS

- PUSH
- PULL

RESUPPLY OPERATIONS

- Routine
- Emergency
- Preposition

ROUTINE

LOGPAC

- Centrally Organized Resupply Convoy
- Simple, Efficient Method
- Best During Periods Of Limited Visibility
- Company Resupply Uses The **"PUSH"** System

FM 7-

ROUTINE

LOGPAC

- LOGPAC Should Sustain Company Until Next Scheduled LOGPAC Delivery-Normally Daily
- Adjustments To LOGPAC Are Made Through Reports To The S4 Over Admin/Log Net

Y

- **Normally Class III, V, VIII, IX, NBC Equipment**
- **Usually From BN Combat Trains**
- **Often Conducted While In Contact With The Enemy:**

FM 71-1, pp 7-8

N

- **Normally Used In The Defense**
- **Covered And Concealed Positions**
- **Frees Cargo Vehicles**

FM 71-1, pp 7-8

N

- **Risk To Capture Or Destruction**
- **Far Enough Away To Prevent Friendly Vehicle Or Personnel Damage**

FM 71-1, pp 7-8

RESUPPLY OPERATIONS CONSIDERATIONS

<u>Foraging And Scavenging</u>: Infrequently Used, Actions Must Be Permissible Under The Law Of Land Warfare

<u>Aerial Resupply</u>: Employ In A Manner That Does Not Give Away Unit Location To The Enemy

FM 7-10, pp

OPERATIONS CONSIDERATIONS

CROSS-LEVELING

- Backhauling
- Water

FM 7-10, pp

OPORD PARA 4: SERVICE SUPPORT

4. SERVICE SUPPORT

a. General: Provide instructions on the location and general movement of the company team trains.

EXAMPLE:

a. General: The company combat trains located vicintiy BP 58 (ES633902), o/o ES733900. TF Combat Trains located vic ES588874, o/o ES601840; TF Field Trains ES508673, o/o move with BSA. LOGPAC

FM 71-1

OPORD PARA 4: SERVICE SUPPORT

4. SERVICE SUPPORT

b. Material and Services: Provide instructions on status of classes of supply, transportation, services, maintenance.

EXAMPLE:

b. Material and Servicesl:

(1) Class I. Ration Cycle is MMA.

(2) Class II, IV, VII. All vehicles will carry 2 times the normal combat load for Class IV.

FM 71-1

(3) Class V. CSR is 3 rounds per TOW

SERVICE SUPPORT

C. **Medical Evacuation And Hospitalization:** Location Of TF Aid Station And Any Special ocedures For Evacuation Of WIA And EPW.

D. **Personnel:** Provide Instructions On The ndling Of EPW, Replacements, Priority.

E. **Civil-military Cooperation:** Provide Info On vil Affairs (Curfew, HNs) And Psycho. OPNs In pport Of Civil Affairs.

F. **Miscellaneous:** Info Not Prev. Covered.

FM 71-1

SERVICE SUPPORT

ADDITIONAL CONSIDERATIONS:

(#) Transportation. Location Of Supply Routes, LRPs, And Priorities On The Routes.

* Road/Bridge Classification
* External Support

(#) Services. KIA Evacuation, Water Point LOC. And Other Services.

* Avail., Location, And Use.

(#) Maintenance. Recovery & EVAC. Of BTL Damaged Vehicles, Maint. Priorities And PROC., And LOC. Of TF UMCP.

FM 71-1